

**SEQUENCE LISTING**

<110> STRYKER CORPORATION

<120> REPAIR OF LARYNX, TRACHEA, AND OTHER FIBROCARTILAGINOUS  
TISSUES

<130> STK-070 PCT

<140> PCT/US99/17222

<141> 1999-07-30

<160> 9

<170> PatentIn Ver. 2.1

<210> 1  
<211> 1822  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> CDS  
<222> (49)..(1341)

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Met His Val  
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cgc tca ctg cga gct gcg gcg ccg cac agc ttc gtg gcg ctc tgg gca 105  
 Arg Ser Leu Arg Ala Ala Ala Pro His Ser Phe Val Ala Leu Trp Ala  
           5                  10                  15

ccc ctg ttc ctg ctg cgc tcc gcc ctg gcc gac ttc agc ctg gac aac 153  
 Pro Leu Phe Leu Leu Arg Ser Ala Leu Ala Asp Phe Ser Leu Asp Asn  
 20 25 30 35

gag gtg cac tcg agc ttc atc cac cgg cgc ctc cgc agc cag gag cgg 201  
 Glu Val His Ser Ser Phe Ile His Arg Arg Leu Arg Ser Gln Glu Arg  
 40                    45                    50

cgg gag atg cag cgc gag atc ctc tcc att ttg ggc ttg ccc cac cgc 249  
Arg Glu Met Gln Arg Glu Ile Leu Ser Ile Leu Gly Leu Pro His Arg  
55 60 65

ccg cgc ccg cac ctc cag ggc aag cac aac tcg gca ccc atg ttc atg 297  
 Pro Arg Pro His Leu Gln Gly Lys His Asn Ser Ala Pro Met Phe Met  
     70                75                80

ctg gac ctg tac aac gcc atg gcg gtg gag gag ggc ggc ggg ccc ggc 345  
 Leu Asp Leu Tyr Asn Ala Met Ala Val Glu Glu Gly Gly Gly Pro Gly  
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ggc cag ggc ttc tcc tac ccc tac aag gcc gtc ttc agt acc cag ggc 393
Gly Gln Gly Phe Ser Tyr Pro Tyr Lys Ala Val Phe Ser Thr Gln Gly
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cac cca cgc tac cac cat cga gag ttc cggttt gat ctt tcc aag atc His Pro Arg Tyr His His Arg Glu Phe Arg Phe Asp Leu Ser Lys Ile 150 155 160	537
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cag gtg ctc cag gag cac ttg ggc agg gaa tcg gat ctc ttc ctg ctc Gln Val Leu Gln Glu His Leu Gly Arg Glu Ser Asp Leu Phe Leu Leu 200 205 210	681
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cga gac ctg ggc tgg cag gac tgg atc atc gcg cct gaa ggc tac gcc Arg Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu Gly Tyr Ala 340 345 350 355	1113
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aac gcc acc aac cac gcc atc gtg cag acg ctg gtc cac ttc atc aac Asn Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His Phe Ile Asn 375 380 385	1209
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<210> 2  
<211> 431  
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<213> Homo sapiens

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Leu Trp Ala Pro Leu Phe Leu Leu Arg Ser Ala Leu Ala Asp Phe Ser 20 25 30
Leu Asp Asn Glu Val His Ser Ser Phe Ile His Arg Arg Leu Arg Ser 35 40 45
Gln Glu Arg Arg Glu Met Gln Arg Glu Ile Leu Ser Ile Leu Gly Leu 50 55 60

Pro His Arg Pro Arg Pro His Leu Gln Gly Lys His Asn Ser Ala Pro  
 65 70 75 80

Met Phe Met Leu Asp Leu Tyr Asn Ala Met Ala Val Glu Glu Gly Gly  
 85 90 95

Gly Pro Gly Gly Gln Gly Phe Ser Tyr Pro Tyr Lys Ala Val Phe Ser  
 100 105 110

Thr Gln Gly Pro Pro Leu Ala Ser Leu Gln Asp Ser His Phe Leu Thr  
 115 120 125

Asp Ala Asp Met Val Met Ser Phe Val Asn Leu Val Glu His Asp Lys  
 130 135 140

Glu Phe Phe His Pro Arg Tyr His His Arg Glu Phe Arg Phe Asp Leu  
 145 150 155 160

Ser Lys Ile Pro Glu Gly Glu Ala Val Thr Ala Ala Glu Phe Arg Ile  
 165 170 175

Tyr Lys Asp Tyr Ile Arg Glu Arg Phe Asp Asn Glu Thr Phe Arg Ile  
 180 185 190

Ser Val Tyr Gln Val Leu Gln Glu His Leu Gly Arg Glu Ser Asp Leu  
 195 200 205

Phe Leu Leu Asp Ser Arg Thr Leu Trp Ala Ser Glu Glu Gly Trp Leu  
 210 215 220

Val Phe Asp Ile Thr Ala Thr Ser Asn His Trp Val Val Asn Pro Arg  
 225 230 235 240

His Asn Leu Gly Leu Gln Leu Ser Val Glu Thr Leu Asp Gly Gln Ser  
 245 250 255

Ile Asn Pro Lys Leu Ala Gly Leu Ile Gly Arg His Gly Pro Gln Asn  
 260 265 270

Lys Gln Pro Phe Met Val Ala Phe Phe Lys Ala Thr Glu Val His Phe  
 275 280 285

Arg Ser Ile Arg Ser Thr Gly Ser Lys Gln Arg Ser Gln Asn Arg Ser  
 290 295 300

Lys Thr Pro Lys Asn Gln Glu Ala Leu Arg Met Ala Asn Val Ala Glu  
 305 310 315 320

Asn Ser Ser Ser Asp Gln Arg Gln Ala Cys Lys Lys His Glu Leu Tyr  
 325 330 335

Val Ser Phe Arg Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu  
 340 345 350

Gly Tyr Ala Ala Tyr Tyr Cys Glu Gly Glu Cys Ala Phe Pro Leu Asn  
 355 360 365

Ser Tyr Met Asn Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His  
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Phe Ile Asn Pro Glu Thr Val Pro Lys Pro Cys Cys Ala Pro Thr Gln  
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Leu Asn Ala Ile Ser Val Leu Tyr Phe Asp Asp Ser Ser Asn Val Ile  
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<210> 3  
<211> 102  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: OPX

<220>  
<223> each Xaa is independently selected from a group of one  
or more specified amino acids as defined in the  
specification.

<400> 3  
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Asp Trp Xaa Ile Ala Pro Xaa Gly Tyr Xaa Ala Tyr Tyr Cys Glu Gly  
 20               25                   30

Glu Cys Xaa Phe Pro Leu Xaa Ser Xaa Met Asn Ala Thr Asn His Ala  
 35               40                   45

Ile Xaa Gln Xaa Leu Val His Xaa Xaa Xaa Pro Xaa Xaa Val Pro Lys  
 50               55                   60

Xaa Cys Cys Ala Pro Thr Xaa Leu Xaa Ala Xaa Ser Val Leu Tyr Xaa  
 65               70                   75                   80

Asp Xaa Ser Xaa Asn Val Ile Leu Xaa Lys Xaa Arg Asn Met Val Val  
 85               90                   95

Xaa Ala Cys Gly Cys His  
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<210> 4  
<211> 97  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Generic-Seq-7

<220>

<223> each Xaa is independently selected from a group of one or more specified amino acids as defined in the specification.

<400> 4

Leu Xaa Xaa Xaa Phe Xaa Xaa Xaa Gly Trp Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1                    5                    10                    15

Pro Xaa Xaa Xaa Ala Xaa Tyr Cys Xaa Gly Xaa Cys Xaa Xaa Pro  
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn His Ala Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa  
65 70 75 80

Val Xaa Leu Xaa Xaa Xaa Xaa Xaa Met Xaa Val Xaa Xaa Cys Xaa Cys  
85 90 95

Xaa

<210> 5

<211> 102

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Generic-Seq-8

<220>

<223> each Xaa is independently selected from a group of one or more specified amino acids as defined in the specification.

<400> 5

Cys Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Phe Xaa Xaa Xaa Gly Trp Xaa  
                   1                  5                  10                  15

Xaa Xaa Xaa Xaa Xaa Pro Xaa Xaa Xaa Xaa Ala Xaa Tyr Cys Xaa Gly  
20 25 30

Xaa Cys Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn His Ala  
35 40 45

Xaa Cys Cys Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa  
65 70 75 80

Xaa Xaa Xaa Xaa Val Xaa Leu Xaa Xaa Xaa Xaa Xaa Met Xaa Val  
85 90 95

Xaa Xaa Cys Xaa Cys Xaa  
100

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<210> 6
<211> 97
<212> PRT
<213> Artificial Sequence
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<220>  
<223> Description of Artificial Sequence: Generic-Seq-9

<220>  
<223> each Xaa is independently selected from a group of one or more specified amino acids as defined in the specification.

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                   20                 25                 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa  
65 70 75 80

xaa

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<210> 7
<211> 102
<212> PRT
<213> Artificial Sequence
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<220>  
<223> Description of Artificial Sequence: Generic-Seq-10

<220>  
<223> each Xaa is independently selected from a group of one or more specified amino acids as defined in the specification.

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<400> 7
Cys Xaa Xaa
    1           5           10          15

Xaa Xaa Xaa Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Gly
    20          25          30

Xaa Cys Xaa Xaa
    35          40          45

Xaa Xaa
    50          55          60

Xaa Xaa Cys Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa
    65          70          75          80

Xaa Xaa
    85          90          95

Xaa Xaa Cys Xaa Cys Xaa
    100

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DRAFT - 2000-02-22

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<210> 8
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: illustrative sequence

<220>
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      specification.

<400> 8
Cys Xaa Xaa Xaa Xaa
    1           5

<210> 9
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: illustrative sequence

<220>
<223> each Xaa is independently selected from a group of one
      or more specified amino acids as defined in the
      specification.

<400> 9
Cys Xaa Xaa Xaa Xaa
    1           5

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